

TRAINING

CURRICULA

CAPSTONE II

EQUIPMENT

TRAINING

**Capstone II
121/135 Training Program**

(Air Carrier Name inserted here)

C-1/R-01/2-20-03

INITIAL GROUND TRAINING

| <u>SUBJECTS</u> | <u>HOURS</u> |
|---|---------------------|
| HISTORY OF GPS Lesson D-2 | 1/2 |
| CAPSTONE SAFETY INITIATIVE Lesson D-3 | 1/2 |
| INTRODUCTION TO & SYSTEM OVERVIEW..... Lesson D-4 | 1/2 |
| Caution/Warning/Advisory System..... Lesson D-5 | 1/2 |
| SYSTEM COMPONENTS / CONTROLS..... Lesson D-6 | 1/2 |
| SYSTEM COMPONENTS / ATTITUDE/HEADING REFERENCE SYSTEM Lesson D-7..... | 1/2 |
| SYSTEM COMPONENTS / GPS RECIEVER Lesson D- 8 | 1/2 |
| DISPLAY SYMBOLOGY Lesson D-9 | 1/2 |
| MFD MENU FUNCTIONS .. (Includes hands on exercises)..... Lesson D-10 | 1 |
| WAYPOINTS ...(Includes Hands on exercises) Lesson D -11 | 1 |
| FLIGHT PLANS ...(Includes hands on exercises) Lesson D-12 | 1 |
| APPROACHES DP's AND STARs ...(Includes hands on exercises) Lesson D-13 | 1 |

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| | |
|---|---------------|
| “FUNCTIONS” Step-by-Step Procedures..(Includes hands on exercises)... | 1 |
| Lesson D-14 | |
| Putting it all together .(Includes hands on exercises) | 1 |
| Lesson D-15 | |
| Review ...(Includes hands on exercises)..... | 2 |
| Lesson D -16 | |
| Comprehensive ground training final exam (Includes hands on exercises). | 2 |
| Lesson D-17 | |
| Operations Manual, Operations Specifications and MEL..... | 2 |
| Lesson D-18 | |
| TOTAL HOURS FOR CAPSTONE II INITIAL | <u>16</u> |

Note: All lessons in this carricula are based on 10 minutes of break each hour.

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C-3/R-01/2-20-03

INITIAL FLIGHT TRAINING

SUBJECTS

HOURS

| | |
|---|--------------|
| VFR / IFR CAPSTONE FLIGHTS | 1+ Hrs. (#1) |
| LESSON F-3 PREFLIGHT PLANNING | |
| LESSON F-4 CAPSTONE EQUIPMENT SETUP AND TESTS | |
| LESSON F-5 PRE TAKEOFF | |
| LESSON F-6 AIRPORT AREA OPERATIONS (departure) | |
| LESSON F-7 EN ROUTE OPERATIONS | |
| LESSON F-8 DIVERSIONS | |
| LESSON F-9 TERRAIN ALERTING | |
| LESSON F-10 TRAFFIC ALERTING | |
| LESSON F-11 WEATHER INFORMATION | |
| LESSON F-12 ARRIVAL (Descent and Approach) | |
| LESSON F-13 AIRPORT AREA OPERATIONS (arrival) | |
| LESSON F-14 POST FLIGHT; CAPSTONE REPORTING | |
| MEL (Minimum Equipment List)..... | 1/2 Hr. |
| LESSON F-16 INFLIGHT OPERATIONS WITH INOPERATIVE COMPONENTS IN THE CAPSTONE EQUIPMENT, | |
| MULTI CREW OPERATIONS ONLY | 1/2 Hr. |
| LESSON F-17 ASSIGNMENT OF CAPSTONE DUTIES BY CREW POSITION | |
| IFR MANUEVERS/PROCEDURES..... | 1+ Hrs. (2#) |
| LESSON F-18 GPS EN ROUTE PROCEDURES | |
| LESSON F-19 GPS APPROACHES | |
| TOTAL HOURS FOR CAPSTONE INITIAL FLIGHT TRAINING | 3+Hrs. |

(#1) The initial Capstone flight must have a route segment with at least 30 minutes of cruise flight in an area with airports near the route of flight to set up scenarios using en route diversions airport, navaid and flight planning functions.

(#2) The IFR portion of the Capstone training must be accomplished on a GPS airway or airway segment with GPS intersections or waypoints and be concluded with a GPS approach.

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C-4/R-01/2-20-03

RECURRENT TRAINING

SUBJECTS

HOURS

GROUND TRAINING

Primary Flight Display (PFD)

LESSONS D- 5, 6, 7, 8, 91 1/2 Hrs.

Primary Navigation Display (PND)

LESSONS D-10, 11, 12, 13, 14,1 1/2 Hrs.

Review and Exam

LESSONS D- 15, 16, 17.....1/2 Hr.

TOTAL RECURRENT GROUND TRAINING 3 1/2 Hrs.

FLIGHT TRAINING

CAPSTONE VFR FLIGHT

LESSONS F-7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 181+Hr. (#1)

MULTI CREW OPERATIONS ONLY

LESSON F-201/2 Hr.

CAPSTONE IFR FLIGHT

LESSONS F-21, 221+Hr. (#2)

TOTAL HOURS FOR CAPSTONE RECURRENT FLIGHT TRAINING

VARIED

VFR SINGLE PILOT ONLY1 Hr.

VFR AND IFR MULTI CREW2 1/2 Hrs.

(#1) CAPSTONE VFR FLIGHT OVER A ROUTE SEGMENT WITH AT LEAST
30 MINUTES OF CRUISE FLIGHTS FOR DIVERSION AND EMERGENCY
SCENARIOS TO BE DEMONSTRATED AND DISCUSSED.

(#2) CAPSTONE VFR FLIGHT MUST INCORPORATE AN AIRWAY
SEGMENT AND A GPS APPROACH

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C-5/R-01/2-20-03

REQUALIFICATION TRAINING

THIS TRAINING IS FOR AN AIRMAN WHO HAS NOT COMPLETED RECURRENT TRAINING IN THE PAST 14 MONTHS DURING A NORMAL QUALIFICATION PERIOD (Prior, Base, or Grace month).

THE REQUALIFICATION TRAINING MAY CONSIST OF ONLY THOSE LESSONS AND SUBJECTS NOT COMPLETED WITHIN THE NORMAL QUALIFICATION PERIOD (ie: Completed everything except MFD ground only requal would be MFD ground)

SUBJECTS AND HOURS FOR REQUALIFICATION WILL BE THE SAME AS RECURRENT FOR AIRMAN WITHIN 24 CALENDER MONTHS OF LAST TRAINING.

AN AIRMAN WHO HAS BECOME UNQUALIFIED FOR MORE THAN 24 CALANDER MONTHS WILL REQUIRED TO TAKE INITIAL TRAINING

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C-6/R-01/2-20-03

INSTRUCTOR/CHECK AIRMAN

ALL CHECK AIRMEN USED FOR CAPSTONE EQUIPMENT MUST BE QUALIFIED IN THE AIRCRAFT AND ON THE EQUIPMENT WITHIN THE GUIDELINES OF FAR 121.401, 121.411, AND 121.413 AND/OR 135.323, AND 135.337

FOR CURRENT AND QUALIFIED CHECK AIRMEN (in the aircraft to be used for the training and checking) THE INITIAL CAPSTONE TRAINING WILL BE THE SAME AS OTHER AIRMAN. THE CHECKAIRMAN MAY DO TRAINING AND CHECKING ON CAPSTONE EQUIPMENT AFTER SATISFACTORY COMPLETION OF ALL CAPSTONE TRAINING INCLUDING A PROFECIENCY CHECK IN THE AIRCRAFT

GROUND TRAINING

THE GROUND INSTRUCTORS AND CHECK AIRMAN WHO WILL BE CONDUCTING GROUND AND FLIGHT INSTRUCTION, MUST HAVE SATISFACTORY COMPLETED CAPSTONE INITIAL TRAINING AND ATTEND A CAPSTONE "TRAIN THE TRAINER COURSE"

SUBJECT

HOURS

"TRAIN THE TRAINER COURSE"

LESSON T-1 (COURSE MATERIALS)

LESSON T-2 (CLASSROOM EXERCISES)

LESSON T-3 ("SIMULATOR" OPERATION)

LESSON T-4 (RECORDKEEPING)

TOTAL HOURS GROUND "TRAIN THE TRAINER"4 Hrs.

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C-7/R-01/2-20-03

DISPATCHER SPECIFIC TRAINING

INITIAL

THE AIRCRAFT DISPATCHERS AND FLIGHT FOLLOWERS WHO WORK
IN THE CAPSTONE AREA OF OPERATION MUST HAVE A THOUGH
KNOWLEDGE OF THE CAPSTONE EQUIPMENT AND ITS LIMITATIONS

SUBJECT

HOURS

HISTORY OF GPS

LESSON D-11 Hr.

CAPSTONE SAFETY INITIATIVE

LESSON D-21 Hr.

INTRODUCTION TO GPS

LESSON D-31 Hr.

PREFLIGHT PLANNING

LESSON F-31 Hr.

MEL (minimum equipment list)1/2 Hr.

CAPSTONE LIMITATIONS (RAIM, NOTAMS, ALTIMETRY)..... 1 Hr.

CAPSTONE RECORD KEEPING 1/2 Hr.

REVIEW AND EXAMINATION1 ~~Hrs.~~ Hr.

DISPATCHER INITIAL CAPSTONE TRAINING

TOTAL HOURS7 1/2 Hrs.

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C-8/R-01/2-20-03

DISPATCHER SPECIFIC TRAINING

RECURRENT / REQUALIFICATION

SUBJECT

HOURS

PREFLIGHT PLANNING1 Hr.

MEL (minimum equipment list)1/2 Hr.

CAPSTONE LIMITATIONS (RAIM, NOTAMS, ALTIMETRY).....1 Hr.

REVIEW AND EXAMINATION1 ~~1~~ Hrs.

TOTAL HOURS FOR RECURRENT or REQUALIFICATION 4 Hrs.